

Serial No. 08/477,983

Page 1, please amend the first sentence as follows:

This application is a continuation of application Serial No. 08/106,775, filed August 16, 1993, now abandoned, which is a continuation of Serial No. 07/780,847, filed October 23, 1991, now abandoned, which is a continuation of Serial No. 07/304,281, filed January 31, 1989, now abandoned.

Page 3, line 25, delete "FGF-5";

Page 4, line 28, delete "cells" and substitute therefor -- tissue--;

Page 5, line 27, delete "FGF-5";

Page 8, line 38, delete the second recitation of "KGF or";

Page 9, line 6, delete "I-"; delete "heparin-Sepharose...NaCl." and insert the figure legend from drawing sheet 3/16 (page 55);

line 11, delete "I-" and insert --A, 2B and 2C--;  
delete lines 14-23 and insert the figure legend from drawing sheet 5/16 (page 57);

line 24, delete "I-";

line 25, delete "sieving chromatography... bioassay." and insert figure legend from drawing sheet 6/16 (page 58);

line 29, delete "I-"; delete "comparison of...factors." and insert figure legend from drawing sheet 7/16 (page 59);

line 32, delete "I-"; delete "comparisons-of growth...factors." and insert figure legend from drawing sheet 8/16 (page 60);

delete lines 35-38.

Page 10, delete lines 1-14 and insert --Fig. 6 outlines a schematic representation of human KGF cDNA clones. Overlapping pCEV9 clones 32 and 49, used in sequence determination, are shown above a diagram of the complete structure in which untranslated regions are depicted by a line and the coding sequence is boxed.

The hatched region denotes sequences of the signal peptide. Selected restriction sites are indicated.

Fig. 7 documents the KGF cDNA nucleotide and predicted amino acid sequences. Nucleotides are numbered on the left; amino acids are numbered throughout. The N-terminal peptide sequence derived from purified KGF is underlined. The hydrophobic N-terminal domain is italicized. The potential asparagine-linked glycosylation site is overlined. The variant polyadenylation signals, AATTAA and AATACA, close to the 3' end of the RNA, are boxed.

Fig. 8 shows identification of KGF mRNAs by Northern blot analysis. Lanes a and c, poly(A)-selected M426 RNA; lanes b and d, total cellular M426 RNA. Filters were hybridized with a <sup>32</sup>P-labeled 695 bp *Bam*HI/*Bcl*II fragment from clone 32 (Probe A, Fig. 6), lanes a and b, or a 541 bp *Apa*I/*Eco*RI fragment from clone 49 (Probe B, Fig. 6), lanes c and d.--;

line 15, delete "II-2" and insert --9--;

line 17, delete "sharp" and insert --share--;

line 18, after "homology" insert --(shaded boxes)--; after "sequences" insert --(hatched boxes)--;

line 19, after "residues" insert --(positions labeled with a "C")--;

line 20, delete "II-3" and insert --10--; delete "(Northern blot)...cell lines." and insert the figure legend from drawing sheet 16/16 (page 68).

line 22, delete "the predominant" and substitute therefor --a single--;

line 23, delete "stromal" and substitute therefor --human embryonic lung--;

line 24, delete "but was not detected in the epithelial cell lines" and substitute therefor --and from adult skin fibroblasts, while no transcript was detected in the (B5/589) epithelial or (HA 83) glial cell lines or in primary cultures of human saphenous vein endothelial cells--

Page 12, line 16, delete "I-".

Page 13, line 24, delete "I-".

Page 14, line 27, delete "II-1A" and insert --6--;

line 33, delete "II-B" and insert --7--;

line 39, delete "FGF-5".

Page 16, line 16, delete "II-1" and insert --7--.

line 13, delete "46" and substitute therefor  
"about 40";

line 17, delete "116" and substitute therefor  
"about 140";

line 21, delete "its activity is enhanced by" and  
substitute therefor --lacks susceptibility to".

Page 18, line 29, delete "NH<sub>2</sub>" and insert --N--.

Page 19, lines 28-29, delete "plus an R at its C-terminus"

line 30, delete "II-1" and insert --7--.

Page 26, line 14, delete "I-";

line 34, delete "I-2" and insert --2A--;

line 38, delete "I-".

Page 27, line 1, delete "I-";

line 7, delete "I-";

line 10, delete "I-";

line 17, after "." insert Table 1 from drawing  
sheet 1/16;

line 21, delete "I-" and insert --A-2C--;

line 25, delete "I-";

line 39, delete "I-".

Page 28, line 9, delete "I-";

line 14, delete "I-";

line 25, delete "I-";

line 33, delete "I-";  
line 38, after "." insert Table 2 from drawing  
sheet 2/16.

Page 32, line 18, delete "NH<sub>2</sub>" and insert --N--.  
line 24, delete "FGF-5".

Page 34, line 5, delete "II-1" and insert --7--;  
line 17, delete "the conditioned medium of human--  
fibroblast" and substitute therefor --human epithelial--.

Page 36, line 8, delete "reference II-3" and insert --Rubin  
et al., *Proc. Natl. Acad. Sci. USA* 86: 802-806 (1989)--.

Page 37, line 4, delete "II-1A" and insert --6--;  
line 9, delete "II-1B" and insert --7--;  
line 25, delete "NH<sub>2</sub>" and insert --N--;  
line 38, delete "FGF-5".

Page 38, line 5, delete "II-1A" and insert --6--;  
line 6, delete "II-1C" and insert --8--;  
line 13, delete "II-1A" and insert --6--; delete  
"II-1C" and insert --8--;  
line 22, delete "II-3" and insert --10--;  
line 39, delete "II-3" and insert --10--.

Page 39, line 7, delete "II-3" and insert --10--;  
line 12, delete "II-21, II-22" and insert --  
Schreiber et al., *Proc. Natl. Acad. Sci. USA* 82: 6138-6142  
(1985), Gospodarwicz et al., *J. Cell Physiol.* 128: 475-485  
(1986)--;

line 14, delete "II-22" and insert  
--Gospodarwicz et al., *supra*--  
line 20, delete "II-1" and insert --3--;  
line 24, after "." insert Table 3 from drawing  
sheet 9/16 (page 61).

Page 40, line 9, delete "II-1" and insert --7--;

line 12, delete "was not identified" and substitute therefor --appeared to be arg--.

Page 42, line 9, delete "SauI" and substitute therefor --Sau3A--;

line 10, delete "CCTGAGG" and substitute therefor --GATC--;

line 12, delete "II-1" and insert --7--;

line 14, delete "37 (Phe), 38 (leu) and 39 (arg)" and substitute therefor --39(arg) and 40--.

Page 43, line 32, delete "FGF-5 and hst are transforming genes originally detected by DNA-mediated gene transfer" and substitute therefor --The hst gene was identified as a transforming gene from a human stomach tumor (Taira et al., *Proc. Natl. Acad. Sci. USA* 84: 2980-2984 (1987), adjacent normal stomach tissue (Yoshida et al., *Proc. Natl. Acad. Sci. USA* 84: 7305-7309 (1987), and from Kaposi's sarcoma (Delli-Bovi et al., *Proc. Natl. Acad. Sci. USA* 84: 5660-5664 (1987), by standard NIH/3T3 transfection assays--.

Page 44, line 6, delete "FGF-5";

line 31, delete "II-2" and insert --9--.

Page 45, line 4, delete "II-2" and insert --9--;

line 11, delete "II-1B" and insert --7--;

line 22, delete "II-2" and insert --9--.

Page 46, line 39, delete "II-3" and insert --Rubin et al., *Proc. Natl. Acad. Sci. USA* 86: 802-806 (1989)--.

Page 61, line 13, delete "II-3" and insert --Rubin et al., *Proc. Natl. Acad. Sci. USA* 86: 802-806 (1989)--.

Page 65, delete lines 1-23.

#### IN THE FIGURES:

Please amend the Figures in the Substitute Specification. Amended Figures 1-10 are attached hereto.